Name of Work: Improvements to roads and drains at Chikkabettahalli colony in Ward No. 03

EMB

"FIRST AND FINAL BILL"

Name of Work: Improvements to roads and drains at Chikkabettahalli colony in Ward No. 03

PRE-MEASUREMENT SHEETS

"FIRST AND FINAL BILL"

Name of Work: Improvements to roads and drains at Chikkabettahalli colony in Ward No. 03

Date of Pre-Measurement : 14.11.2019

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I.No-19.1)							
	Chikkabettahalli							
	RCC Drain							
	Left Side, Cross Road -1							
	LHS							
	Ch: 0 to 30m		1	30.00	1.10	1.00	33.00	
	Ch: 30 to 48.8m		1	18.80	1.10	1.00	20.68	
	RHS							
	Ch: 0 to 30m		1	30.00	1.20	1.00	36.00	
	Ch: 30 to 45.8m		1	15.80	1.20	1.00	18.96	
	Left Side, Cross Road -2							
	LHS							
	Ch: 0 to 30m		1	30.00	1.20	1.00	36.00	
	Ch: 30 to 34.2m		1	4.20	1.20	1.00	5.04	
	RHS							
	Ch: 0 to 30m		1	30.00	1.20	1.00	36.00	
	Ch: 30 to 34.5m		1	4.50	1.20	1.00	5.40	
	Left Side, Cross Road -3							
	LHS							
	Ch: 0 to 30m		1	30.00	1.20	1.00	36.00	
	Ch: 30 to 36m		1	6.00	1.20	1.00	7.20	
	RHS							
	Ch: 0 to 30m		1	30.00	1.20	1.00	36.00	
	Ch: 30 to 37.8m		1	7.80	1.20	1.00	9.36	
	Left Side, Cross Road -4							
	RHS							
	Ch: 0 to 30m		1	30.00	1.10	1.00	33.00	
	Ch: 30 to 60m		1	30.00	1.10	1.00	33.00	
	Ch: 60 to 88.5m		1	28.50	1.10	1.00	31.35	
	Right Side, Cross Road -1							
	LHS							
	Ch: 0 to 30m		1	30.00	1.20	1.00	36.00	
	Ch: 30 to 42.6m		1	12.60	1.20	1.00	15.12	
	RHS							
	Ch: 0 to 30m		1	30.00	1.20	1.00	36.00	
	Ch: 30 to 35m		1	5.00	1.20	1.00	6.00	
	Right Side, Cross Road -2							

LHS							
Ch: 0 to 30m		1	30.00	0.90	1.00	27.00	
Ch: 30 to 38.2m		1	8.20	0.90	1.00	7.38	
Right Side, Cross Road -3							
LHS							
Ch: 0 to 30m		1	30.00	1.10	1.00	33.00	
Ch: 30 to 33.4m		1	3.40	1.10	1.00	3.74	
RHS							
Ch: 0 to 30m		1	30.00	1.10	0.90	29.70	
Ch: 30 to 33.4m		1	3.40	1.10	1.00	3.74	
SSM Drain							
Main Road							
LHS							
Ch: 0 to 29.3m		1	29.30	0.50	0.60	8.79	
Road Gap							
Ch: 0 to 19.5m		1	19.50	0.50	0.60	5.85	
Road Gap							
Ch: 0 to 21.3m		1	21.30	0.50	0.60	6.39	
Road Gap							
Ch: 0 to 30m		1	30.00	0.50	0.60	9.00	
Ch: 30 to 43m		1	13.00	0.50	0.60	3.90	
Road Gap							
Ch: 0 to 23m		1	23.00	0.50	0.60	6.90	
Road Gap							
Ch: 0 to 24.3m		1	24.30	0.50	0.60	7.29	
Road Gap							
Ch: 0 to 30m		1	30.00	0.50	0.60	9.00	
Ch: 30 to 3.3m		1	3.30	0.50	0.60	0.99	
RHS, From Dead End							
Ch: 0 to 13.1m		1	13.10	0.50	0.60	3.93	
Ch: 13.1 to 16.9m		1	3.80	0.50	0.60	1.14	
Ch: 16.9 to 46.9m		1	30.00	0.50	0.60	9.00	
Ch: 46.9 to 76.9m		1	30.00	0.50	0.60	9.00	
Ch: 76.9 to 106.9m		1	30.00	0.50	0.60	9.00	
Ch: 106.9 to 128.9m		1	22.00	0.50	0.70	7.70	
Road Gap							
Ch: 0 to 11.8m		1	11.80				
Ch: 11.8 to 28.3m		1	16.50	0.50	0.70	5.78	
Road Gap							
Ch: 0 to 12.4m		1	12.40	0.50	0.70	4.34	
Ch: 12.4 to 24.3m		1	11.90	0.50	0.70	4.17	
Road Gap							
Ch: 0 to 22.2m		1	22.20	0.50	0.70	7.77	
Culvert Main Road							
Culvert-1		1	4.60	2.00	1.20	11.04	
Culvert-2		1	5.00	2.00	1.20	12.00	
Culvert-3		1	5.80	2.00	1.20	13.92	
Culvert-4		1	6.00	2.00	1.20	14.40	

	Culvert-5		1	5.10	2.00	1.20	12.24	
	Culvert-6		1	5.10	2.00	1.20	12.24	
	Culvert-7		1	5.60	2.00	1.20	13.44	
	Village Culverts							
	Db Layout Entrance		1	7.20	2.00	1.20	17.28	
	Badriya Provision store Rd		1	6.20	2.00	1.20	14.88	
	Badriya Provision store Rd		1	4.00	2.00	1.20	9.60	
	Flour Mill front		1	7.50	2.00	1.20	18.00	
						Present Qty	**843.64**	**Cum**

Contractor

NEW ZEN CONSULTANT * K.R PMC * BANGALORE

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಎಂಜಿನಿಯರು
ಯಲಹಂಕ Asst. Executive Engineer,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

14.11.2019

Name of Work: Improvements to roads and drains at Chikkabettahalli colony in Ward No. 03

Date of Pre-Measurement : 27.11.2019

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and							
	Chikkabettahalli							
	RCC Drain							
	Left Side, Cross Road -1							
	LHS							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 48.8m		1	18.80	1.10	0.15	3.10	
	RHS							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 45.8m		1	15.80	1.20	0.15	2.84	
	Left Side, Cross Road -2							
	LHS							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 34.2m		1	4.20	1.20	0.15	0.76	
	RHS							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 34.5m		1	4.50	1.20	0.15	0.81	
	Left Side, Cross Road -3							
	LHS							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 36m		1	6.00	1.20	0.15	1.08	
	RHS							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 37.8m		1	7.80	1.20	0.15	1.40	
	Left Side, Cross Road -4							
	RHS							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 60m		1	30.00	1.10	0.15	4.95	
	Ch: 60 to 88.5m		1	28.50	1.10	0.15	4.70	
	Right Side, Cross Road -1							
	LHS							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 42.6m		1	12.60	1.20	0.15	2.27	
	RHS							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 35m		1	5.00	1.20	0.15	0.90	
	Right Side, Cross Road -2							

	LHS						
	Ch: 0 to 30m		1	30.00	0.90	0.15	4.05
	Ch: 30 to 38.2m		1	8.20	0.90	0.15	1.11
	Right Side, Cross Road -3						
	LHS						
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95
	Ch: 30 to 33.4m		1	3.40	1.10	0.15	0.56
	RHS						
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95
	Ch: 30 to 33.4m		1	3.40	1.10	0.15	0.56
	Concrete Platform						
	Surround Temple						
	Backside		1	8.90	2.10	0.20	3.74
			1	5.00	5.00	0.20	5.00
			1	1.75	2.85	0.20	1.00
	Left Side		1	12.40	6.55	0.20	16.24
	Right side		1	15.00	2.50	0.20	7.50
	Front		1	15.20	8.10	0.20	24.62
			1	5.00	3.00	0.20	3.00
			1	4.60	2.20	0.20	2.02
			1	15.00	12.00	0.20	36.00
	For Kerb Stone						
	Main Road						
	LHS						
	Ch: 0 to 29.3m		1	29.30	0.20	0.10	0.59
	Road Gap						
	Ch: 0 to 19.5m		1	19.50	0.20	0.10	0.39
	Road Gap						
	Ch: 0 to 21.3m		1	21.30	0.20	0.10	0.43
	Road Gap						
	Ch: 0 to 30m		1	30.00	0.20	0.10	0.60
	Ch: 30 to 43m		1	13.00	0.20	0.10	0.26
	Road Gap						
	Ch: 0 to 23m		1	23.00	0.20	0.10	0.46
	Road Gap						
	Ch: 0 to 24.3m		1	24.30	0.20	0.10	0.49
	Road Gap						
	Ch: 0 to 30m		1	30.00	0.20	0.10	0.60
	Ch: 30 to 3.3m		1	3.30	0.20	0.10	0.07
	RHS						
	Ch: 0 to 13.1m		1	13.10	0.20	0.10	0.26
	Ch: 13.1 to 16.9m		1	3.80	0.20	0.10	0.08
	Ch: 16.9 to 46.9m		1	30.00	0.20	0.10	0.60
	Ch: 46.9 to 76.9m		1	30.00	0.20	0.10	0.60
	Ch: 76.9 to 106.9m		1	30.00	0.20	0.10	0.60
	Ch: 106.9 to 128.9m		1	22.00	0.20	0.10	0.44
	Road Gap						
	Ch: 0 to 11.8m		1	11.80			

	Ch: 11.8 to 28.3m		1	16.50	0.20	0.10	0.33		
	Road Gap								
	Ch: 0 to 12.4m		1	12.40	0.20	0.10	0.25		
	Ch: 12.4 to 24.3m		1	11.90	0.20	0.10	0.24		
	Road Gap								
	Ch: 0 to 22.2m		1	22.20					
	Culvert Main Road								
	Culvert-1		1	4.60	2.00	0.15	1.38		
	Culvert-2		1	5.00	2.00	0.15	1.50		
	Culvert-3		1	5.80	2.00	0.15	1.74		
	Culvert-4		1	6.00	2.00	0.15	1.80		
	Culvert-5		1	5.10	2.00	0.15	1.53		
	Culvert-6		1	5.10	2.00	0.15	1.53		
	Culvert-7		1	5.60	2.00	0.15	1.68		
	Village Culverts								
	Db Layout Entrance		1	7.20	2.00	0.15	2.16		
	Badriya Provision store Rd		1	6.20	2.00	0.15	1.86		
	Badriya Provision store Rd		1	4.00	2.00	0.15	1.20		
	Flour Mill front		1	7.50	2.00	0.15	2.25		
						Present Qty	**211.72**	**Cum**	

C&Fc

Contractor

PMC

NEWZEN CONSULTANT * BANGALORE *

Assistant Engineer

Asst. Executive Engineer,

27.11.2019

Name of Work: Improvements to roads and drains at Chikkabettahalli colony in Ward No. 03

Date of Pre-Measurement : 30/11/2019

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification							
	Chikkabettahalli							
	RCC Drain							
	RAFT							
	Left Side, Cross Road -1							
	LHS							
	Ch: 0 to 30m		1	30.00	0.90	0.15	4.05	
	Ch: 30 to 48.8m		1	18.80	0.90	0.15	2.54	
	RHS							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 45.8m		1	15.80	1.10	0.15	2.61	
	Left Side, Cross Road -2							
	LHS							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 34.2m		1	4.20	1.10	0.15	0.69	
	RHS							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 34.5m		1	4.50	1.10	0.15	0.74	
	Left Side, Cross Road -3							
	LHS							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 36m		1	6.00	1.10	0.15	0.99	
	RHS							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 37.8m		1	7.80	1.10	0.15	1.29	
	Left Side, Cross Road -4							
	RHS							
	Ch: 0 to 30m		1	30.00	0.90	0.15	4.05	
	Ch: 30 to 60m		1	30.00	0.90	0.15	4.05	
	Ch: 60 to 88.5m		1	28.50	0.90	0.15	3.85	
	Right Side, Cross Road -1							
	LHS							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 42.6m		1	12.60	1.10	0.15	2.08	
	RHS							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 35m		1	5.00	1.10	0.15	0.83	

	Right Side, Cross Road -2							
	LHS							
	Ch: 0 to 30m		1	30.00	0.70	0.15	3.15	
	Ch: 30 to 38.2m		1	8.20	0.70	0.15	0.86	
	Right Side, Cross Road -3							
	LHS							
	Ch: 0 to 30m		1	30.00	0.90	0.15	4.05	
	Ch: 30 to 33.4m		1	3.40	0.90	0.15	0.46	
	RHS							
	Ch: 0 to 30m		1	30.00	0.90	0.15	4.05	
	Ch: 30 to 33.4m		1	3.40	0.90	0.15	0.46	
	WALL							
	Left Side, Cross Road -1							
	LHS							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 48.8m		2	18.80	0.15	0.60	3.38	
	RHS							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 45.8m		2	15.80	0.15	0.60	2.84	
	Left Side, Cross Road -2							
	LHS							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 34.2m		2	4.20	0.15	0.60	0.76	
	RHS							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 34.5m		2	4.50	0.15	0.60	0.81	
	Left Side, Cross Road -3							
	LHS							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 36m		2	6.00	0.15	0.60	1.08	
	RHS							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 37.8m		2	7.80	0.15	0.60	1.40	
	Left Side, Cross Road -4							
	RHS							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 60m		2	30.00	0.15	0.60	5.40	
	Ch: 60 to 88.5m		2	28.50	0.15	0.60	5.13	
	Right Side, Cross Road -1							
	LHS							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 42.6m		2	12.60	0.15	0.60	2.27	
	RHS							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 35m		2	5.00	0.15	0.60	0.90	
	Right Side, Cross Road -2							
	LHS							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	

	Ch: 30 to 38.2m		2	8.20	0.15	0.60	1.48	
	Right Side, Cross Road =3							
	LHS							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 33.4m		2	3.40	0.15	0.60	0.61	
	RHS							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 33.4m		2	3.40	0.15	0.60	0.61	
						Present Qty	**166.91**	**Cum**

Contractor

NEWZEN CONSULTANT * BANGALORE * K.R PMC

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪವಿಭಾಗ ಉಪವಿಭಾಗ.
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Asst. Executive Engineer

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Name of Work: Improvements to roads and drains at Chikkabettahalli colony in Ward No. 03

Date of Pre-Measurement : 30/11/2019

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
4	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per							
	Chikkabettahalli							
	Left Side, Cross Road -1							
	Total Drain length=48.80m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=488.00Nos		488	1.90		0.61	565.59	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		17	48.80		0.61	506.06	
	Left Side, Cross Road -1							
	Total Drain length=45.80m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=458.00Nos		458	2.10		0.61	586.70	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	45.80		0.61	530.82	
	Left Side, Cross Road -2							
	Total Drain length=34.20m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=342.00Nos		342	2.10		0.61	438.10	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	34.20		0.61	396.38	
	Left Side, Cross Road -2							
	Total Drain length=34.50m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=345.00Nos		345	2.10		0.61	441.95	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	34.50		0.61	399.86	
	Left Side, Cross Road -3							
	Total Drain length=36.0m							

	Main bar 10mm dia bar @ 100mm						
	0.61kg/mtr						
	No of U-bar=360.00Nos	360	2.10		0.61	461.16	
	Distribution bar						
	Distribution bar 10mm dia @ 110mm						
	0.61kg/mtr	19	36.00		0.61	417.24	
	Left Side, Cross Road -3						
	Total Drain length=37.80m						
	Main bar 10mm dia bar @ 100mm						
	0.61kg/mtr						
	No of U-bar=378.00Nos	378	2.20		0.61	507.28	
	Distribution bar						
	Distribution bar 10mm dia @ 110mm						
	0.61kg/mtr	19	37.80		0.61	438.10	
	Left Side, Cross Road -4						
	Total Drain length=88.50m						
	Main bar 10mm dia bar @ 100mm						
	0.61kg/mtr						
	No of U-bar=885.00Nos	885	1.90		0.61	1025.72	
	Distribution bar						
	Distribution bar 10mm dia @ 110mm						
	0.61kg/mtr	17	88.50		0.61	917.75	
	Right Side, Cross Road -1						
	Total Drain length=42.60m						
	Main bar 10mm dia bar @ 100mm						
	0.61kg/mtr						
	No of U-bar=426.00Nos	426	2.20		0.61	571.69	
	Distribution bar						
	Distribution bar 10mm dia @ 110mm						
	0.61kg/mtr	19	42.60		0.61	493.73	
	Right Side, Cross Road -1						
	Total Drain length=35.0m						
	Main bar 10mm dia bar @ 100mm						
	0.61kg/mtr						
	No of U-bar=350.00Nos	350	1.90		0.61	405.65	
	Distribution bar						
	Distribution bar 10mm dia @ 110mm						
	0.61kg/mtr	17	35.00		0.61	362.95	
	Right Side, Cross Road -2						
	Total Drain length=38.20m						
	Main bar 10mm dia bar @ 100mm						
	0.61kg/mtr						
	No of U-bar=382.00Nos	382	1.70		0.61	396.13	
	Distribution bar						
	Distribution bar 10mm dia @ 110mm						
	0.61kg/mtr	15	38.20		0.61	349.53	
	Right Side, Cross Road -3						

	Total Drain length=33.40m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=334.00Nos		334	1.90		0.61	387.11	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		17	33.40		0.61	346.36	
	Right Side, Cross Road -3							
	Total Drain length=33.40m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=334.00Nos		334	1.90		0.61	387.11	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		17	33.40		0.61	346.36	
							11679.30	
						Present Qty	**11.68**	**Ton**

C & FC

Contractor

PMC

Assistant Engineer

30/11/2019

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪವಿಭಾಗ ಬೆಂಗಳೂರು.
Asst. Executive Engineer,
ಜ.ಜ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Name of Work: Improvements to roads and drains at Chikkabettahalli colony in Ward No. 03

Date of Pre-Measurement : 2|12|2019

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
5	KSRB 5.2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13. (P.No-25,I No-5.6) KSRB 5.2-3 : -do - cement mortar 1:6 KBS 5.1.13							
	Chikkabettahalli							
	Culvert Main Road							
	Culvert-1		2	4.60	0.45	1.00	4.14	
	Culvert-2		2	5.00	0.45	1.00	4.50	
	Culvert-3		2	5.80	0.45	1.00	5.22	
	Culvert-4		2	6.00	0.45	1.00	5.40	
	Culvert-5		2	5.10	0.45	1.00	4.59	
	Culvert-6		2	5.10	0.45	1.00	4.59	
	Culvert-7		2	5.60	0.45	1.00	5.04	
	Village Culverts							
	Db Layout Entrance		2	7.20	0.45	1.00	6.48	
	Badriya Provision store Rd		2	6.20	0.45	1.00	5.58	
	Badriya Provision store Rd		2	4.00	0.45	1.00	3.60	
	Flour Mill front		2	7.50	0.45	1.00	6.75	
	Main Road Drain Flagging							
	LHS							
	Ch: 0 to 29.3m		2	29.30	0.40	0.60	14.06	
	Road Gap							
	Ch: 0 to 19.5m		2	19.50	0.40	0.80	12.48	
	Road Gap							
	Ch: 0 to 21.3m		2	21.30	0.40	0.60	10.22	
	Road Gap							
	Ch: 0 to 30m		2	30.00	0.40	0.60	14.40	
	Ch: 30 to 43m		2	13.00	0.40	1.00	10.40	
	Road Gap							
	Ch: 0 to 23m		2	23.00	0.40	0.60	11.04	
	Road Gap							
	Ch: 0 to 24.3m		2	24.30	0.40	1.00	19.44	
	Road Gap							
	Ch: 0 to 30m		2	30.00	0.40	0.60	14.40	
	Ch: 30 to 3.3m		2	3.30	0.40	0.60	1.58	
	RHS, From Dead End							
	Ch: 0 to 13.1m		2	13.10	0.40	0.60	6.29	
	Ch: 13.1 to 16.9m		2	3.80	0.40	0.80	2.43	
	Ch: 16.9 to 46.9m		2	30.00	0.40	0.60	14.40	
	Ch: 46.9 to 76.9m		2	30.00	0.40	0.60	14.40	

	Ch: 76.9 to 106.9m		2	30.00	0.40	1.00	24.00	
	Ch: 106.9 to 128.9m		2	22.00	0.40	1.00	17.60	
	Road Gap							
	Ch: 0 to 11.8m		2	11.80				
	Ch: 11.8 to 28.3m		2	16.50	0.40	0.60	7.92	
	Road Gap							
	Ch: 0 to 12.4m		2	12.40	0.40	0.60	5.95	
	Ch: 12.4 to 24.3m		2	11.90	0.40	0.60	5.71	
	Road Gap							
	Ch: 0 to 22.2m		2	22.20	0.40	0.60	10.66	
						Present Qty	**273.28**	**Cum**

C/fc

Contractor

PMC

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106
Asst. Executive Engineer,

2/12/2019

Name of Work: Improvements to roads and drains at Chikkabettahalli colony in Ward No. 03

Date of Pre-Measurement : 5/12/2019

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
6	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification							
	Chikkabettahalli							
	Culvert Bed Concrete							
	Culvert-1		1	4.60	0.45	0.15	0.31	
	Culvert-2		1	5.00	0.45	0.15	0.34	
	Culvert-3		1	5.80	0.45	0.15	0.39	
	Culvert-4		1	6.00	0.45	0.15	0.41	
	Culvert-5		1	5.10	0.45	0.15	0.34	
	Culvert-6		1	5.10	0.45	0.15	0.34	
	Culvert-7		1	5.60	0.45	0.15	0.38	
	Village Culverts							
	Db Layout Entrance		1	7.20	0.45	0.15	0.49	
	Badriya Provision store Rd		1	6.20	0.45	0.15	0.42	
	Badriya Provision store Rd		1	4.00	0.45	0.15	0.27	
	Flour Mill front		1	7.50	0.45	0.15	0.51	
	Culvert Coping							
	Culvert-1		2	4.60	0.45	0.10	0.41	
	Culvert-2		2	5.00	0.45	0.10	0.45	
	Culvert-3		2	5.80	0.45	0.10	0.52	
	Culvert-4		2	6.00	0.45	0.10	0.54	
	Culvert-5		2	5.10	0.45	0.10	0.46	
	Culvert-6		2	5.10	0.45	0.10	0.46	
	Culvert-7		2	5.60	0.45	0.10	0.50	
	Village Culverts							
	Db Layout Entrance		2	7.20	0.45	0.10	0.65	
	Badriya Provision store Rd		2	6.20	0.45	0.10	0.56	
	Badriya Provision store Rd		2	4.00	0.45	0.10	0.36	
	Flour Mill front		2	7.50	0.45	0.10	0.68	
	SSM Drain							
	Main Road Bed Concrete							
	LHS							
	Ch: 0 to 29.3m		1	29.30	0.60	0.15	2.64	
	Road Gap							
	Ch: 0 to 19.5m		1	19.50	0.60	0.15	1.76	
	Road Gap							
	Ch: 0 to 21.3m		1	21.30	0.60	0.15	1.92	
	Road Gap							

	Ch: 0 to 30m		1	30.00	0.60	0.15	2.70
	Ch: 30 to 43m		1	13.00	0.60	0.15	1.17
	Road Gap						
	Ch: 0 to 23m		1	23.00	0.60	0.15	2.07
	Road Gap						
	Ch: 0 to 24.3m		1	24.30	0.60	0.15	2.19
	Road Gap						
	Ch: 0 to 30m		1	30.00	0.60	0.15	2.70
	Ch: 30 to 3.3m		1	3.30	0.60	0.15	0.30
	RHS, From Dead End						
	Ch: 0 to 13.1m		1	13.10	0.60	0.15	1.18
	Ch: 13.1 to 16.9m		1	3.80	0.60	0.15	0.34
	Ch: 16.9 to 46.9m		1	30.00	0.60	0.15	2.70
	Ch: 46.9 to 76.9m		1	30.00	0.60	0.15	2.70
	Ch: 76.9 to 106.9m		1	30.00	0.60	0.15	2.70
	Ch: 106.9 to 128.9m		1	22.00	0.60	0.15	1.98
	Road Gap						
	Ch: 0 to 11.8m		1	11.80			
	Ch: 11.8 to 28.3m		1	16.50	0.60	0.15	1.49
	Road Gap						
	Ch: 0 to 12.4m		1	12.40	0.60	0.15	1.12
	Ch: 12.4 to 24.3m		1	11.90	0.60	0.15	1.07
	Road Gap						
	Ch: 0 to 22.2m		1	22.20	0.60	0.15	2.00
	Main Road Drain Coping						
	LHS						
	Ch: 0 to 29.3m		2	29.30	0.40	0.125	2.93
	Road Gap						
	Ch: 0 to 19.5m		2	19.50	0.40	0.125	1.95
	Road Gap						
	Ch: 0 to 21.3m		2	21.30	0.40	0.10	1.70
	Road Gap						
	Ch: 0 to 30m		2	30.00	0.40	0.10	2.40
	Ch: 30 to 43m		2	13.00	0.40	0.10	1.04
	Road Gap						
	Ch: 0 to 23m		2	23.00	0.40	0.10	1.84
	Road Gap						
	Ch: 0 to 24.3m		2	24.30	0.40	0.10	1.94
	Road Gap						
	Ch: 0 to 30m		2	30.00	0.40	0.10	2.40
	Ch: 30 to 3.3m		2	3.30	0.40	0.10	0.26
	RHS, From Dead End						
	Ch: 0 to 13.1m		2	13.10	0.40	0.10	1.05
	Ch: 13.1 to 16.9m		2	3.80	0.40	0.10	0.30
	Ch: 16.9 to 46.9m		2	30.00	0.40	0.10	2.40
	Ch: 46.9 to 76.9m		2	30.00	0.40	0.10	2.40
	Ch: 76.9 to 106.9m		2	30.00	0.40	0.10	2.40
	Ch: 106.9 to 128.9m		2	22.00	0.40	0.10	1.76

	Road Gap							
	Ch: 0 to 11.8m		2	11.80				
	Ch: 11.8 to 28.3m		2	16.50	0.40	0.10	1.32	
	Road Gap							
	Ch: 0 to 12.4m		2	12.40	0.40	0.10	0.99	
	Ch: 12.4 to 24.3m		2	11.90	0.40	0.10	0.95	
	Road Gap							
	Ch: 0 to 22.2m		2	22.20	0.40	0.10	1.78	
						Present Qty	**76.31**	**Cum**

C&FC

Contractor

CONSULTANT * HEMZEN * BANGALORE
PMC

Assistant Engineer

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ಯಲಹಂಕ ಉಪನಗರ ಪಾಲಿಕೆ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106
Asst. Executive Engineer,

5/12/2019

Name of Work: Improvements to roads and drains at Chikkabettahalli colony in Ward No. 03

Date of Pre-Measurement : 9/12/2019

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
11	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1km and complete as per							
	Chikkabettahalli							
	Surround Temple							
	Backside		1	8.90	2.10	0.35	6.54	
			1	5.00	5.00	0.35	8.75	
			1	1.75	2.85	0.35	1.75	
	Left Side		1	12.40	6.55	0.35	28.43	
	Right side		1	15.00	2.50	0.35	13.13	
	Front		1	15.20	8.10	0.35	43.09	
			1	5.00	3.00	0.35	5.25	
			1	4.60	2.20	0.35	3.54	
			1	15.00	12.00	0.35	63.00	
						Present Qty	**173.47**	**Cum**

Contractor

PMC

Assistant Engineer

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
Asst. Executive Engineer,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

9/12/2019

Name of Work: Improvements to roads and drains at Chikkabettahalli colony in Ward No. 03

MEASUREMENT SHEETS

"FIRST AND FINAL BILL"

Name of Work: Improvements to roads and drains at Chikkabettahalli colony in Ward No. 03

Name of Pre-Measurement :

SI No	Description of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
		Detailed Measurements								
	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I.No-19.1)									
	Pre-measurement sheet no 1 to 3						843.64			
						Present Qty	**843.64**	**Cum**	**215.28**	**181619.00**
	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs. with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and									
	Pre-measurement sheet no 4 to 6						211.72			
						Present Qty	**211.72**	**Cum**	**5421.90**	**1147925.00**
	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification									
	Pre-measurement sheet no 7 to 9						166.91			
						Present Qty	**166.91**	**Cum**	**7070.20**	**1180116.00**
	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per									
	Pre-measurement sheet no 10 to 12						11.68			
						Present Qty	**11.68**	**Cum**	**73992.24**	**864524.00**
	KSRB 5.2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications.									
	Pre-measurement sheet no 1 to 2						273.28			
						Present Qty	**273.28**	**Cum**	**4871.76**	**1331365.00**

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
6	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications.									
	Pre-measurement sheet no 13 to 14						76.31			
						Present Qty	**76.31**	**Cum**	**5747.32**	**438571.00**
11	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1km and complete as per specifications.(I No-19.14,P No-143)									
	Pre-measurement sheet no 15 to 18						173.47			
						Present Qty	**173.47**	**Cum**	**63.94**	**11092.00**

Contractor

NEWZEN CONSULTANT BANGALORE PMC

Assistant Engineer

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬಿ.ಡಿ.ಎ.ಪ್ರ. ಬೆಂಗಳೂರು-106

Asst. Executive Engineer.

9/12/2019

Name of Work: **Improvements to roads and drains at Chikkabettahalli colony in Ward No. 03**

Date of Measurement : 21|12|2019

Sl No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	Detailed Measurements									
	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer									
	Chikkabettahalli									
	For Kerb Stone									
	Main Road Drain									
	LHS									
	Ch: 0 to 29.3m		1	29.30			65.00			
	Road Gap									
	Ch: 0 to 19.5m		1	19.50			43.00			
	Road Gap									
	Ch: 0 to 21.3m		1	21.30			47.00			
	Road Gap									
	Ch: 0 to 30m		1	30.00			67.00			
	Ch: 30 to 43m		1	13.00			29.00			
	Road Gap									
	Ch: 0 to 23m		1	23.00			51.00			
	Road Gap									
	Ch: 0 to 24.3m		1	24.30			54.00			
	Road Gap									
	Ch: 0 to 30m		1	30.00			67.00			
	Ch: 30 to 3.3m		1	3.30			7.00			
	RHS, From Dead End									
	Ch: 0 to 13.1m		1	13.10			29.00			
	Ch: 13.1 to 16.9m		1	3.80			8.00			
	Ch: 16.9 to 46.9m		1	30.00			67.00			
	Ch: 46.9 to 76.9m		1	30.00			67.00			
	Ch: 76.9 to 106.9m		1	30.00			67.00			
	Ch: 106.9 to 128.9m		1	22.00			49.00			
	Road Gap									
	Ch: 0 to 11.8m		1	11.80			37.00			
	Ch: 11.8 to 28.3m		1	16.50						
	Road Gap						28.00			
	Ch: 0 to 12.4m		1	12.40			26.00			
	Ch: 12.4 to 24.3m		1	11.90						
	Road Gap									
	Ch: 0 to 22.2m		1	22.20						
						Present Qty	**808.00**	**Nos**	**432.48**	**349444.00**

NEWZEN CONSTRUCTIONS

Contractor

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ ಯಲಹಂಕ ಉಪವಿಭಾಗ ಬೆಂಗಳೂರು-106

Asst. Executive Engineer

Name of Work: Improvements to roads and drains at Chikkabettahalli colony in Ward No. 03

Date of Measurement : 26/12/2019

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
8	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (P.No-180,I No-24.1)									
	Chikkabettahalli									
	Main Road Drain									
	LHS									
	Ch: 0 to 29.3m		1	29.30	0.40		11.72			
	Road Gap									
	Ch: 0 to 19.5m		1	19.50	0.40		7.80			
	Road Gap									
	Ch: 0 to 21.3m		1	21.30	0.40		8.52			
	Road Gap									
	Ch: 0 to 30m		1	30.00	0.40		12.00			
	Ch: 30 to 43m		1	13.00	0.40		5.20			
	Road Gap									
	Ch: 0 to 23m		1	23.00	0.40		9.20			
	Road Gap									
	Ch: 0 to 24.3m		1	24.30	0.40		9.72			
	Road Gap									
	Ch: 0 to 30m		1	30.00	0.40		12.00			
	Ch: 30 to 3.3m		1	3.30	0.40		1.32			
	RHS, From Dead End									
	Ch: 0 to 13.1m		1	13.10	0.40		5.24			
	Ch: 13.1 to 16.9m		1	3.80	0.40		1.52			
	Ch: 16.9 to 46.9m		1	30.00	0.40		12.00			
	Ch: 46.9 to 76.9m		1	30.00	0.40		12.00			
	Ch: 76.9 to 106.9m		1	30.00	0.30		9.00			
	Ch: 106.9 to 128.9m		1	22.00	0.30		6.60			
	Road Gap									
	Ch: 0 to 11.8m		1	11.80			0.00			
	Ch: 11.8 to 28.3m		1	16.50	0.30		4.95			
	Road Gap									
	Ch: 0 to 12.4m		1	12.40	0.30		3.72			
	Ch: 12.4 to 24.3m		1	11.90	0.30		3.57			
	Road Gap									
	Ch: 0 to 22.2m		1	22.20	0.30		6.66			
						Present Qty	**142.74**	**Sqm**	**84.80**	**12105.00**

NEWZEN CONSULTANTS

Assistant Engineer

ಸಹಾಯಕ ಅಭಿಯಂತರರು
Assistant Engineer

Name of Work: Improvements to roads and drains at Chikkabettahalli colony in Ward No. 03

Date of Measurement : 6/1/2020

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
9	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the									
	Chikkabettahalli									
	RCC Drain									
	Left Side, Cross Road -1									
	LHS									
	Ch: 0 to 30m		1	30.00	0.75		22.50			
	Ch: 30 to 48.8m		1	18.80	0.75		14.10			
	RHS									
	Ch: 0 to 30m		1	30.00	0.90		27.00			
	Ch: 30 to 45.8m		1	15.80	0.90		14.22			
	Left Side, Cross Road -2									
	LHS									
	Ch: 0 to 30m		1	30.00	0.90		27.00			
	Ch: 30 to 34.2m		1	4.20	0.90		3.78			
	RHS									
	Ch: 0 to 30m		1	30.00	0.90		27.00			
	Ch: 30 to 34.5m		1	4.50	0.90		4.05			
	Left Side, Cross Road -3									
	LHS									
	Ch: 0 to 30m		1	30.00	0.90		27.00			
	Ch: 30 to 36m		1	6.00	0.90		5.40			
	RHS									
	Ch: 0 to 30m		1	30.00	0.90		27.00			
	Ch: 30 to 37.8m		1	7.80	0.90		7.02			
	Left Side, Cross Road -4									
	RHS									
	Ch: 0 to 30m		1	30.00	0.75		22.50			
	Ch: 30 to 60m		1	30.00	0.75		22.50			
	Ch: 60 to 88.5m		1	28.50	0.75		21.38			
	Right Side, Cross Road -1									
	LHS									
	Ch: 0 to 30m		1	30.00	0.90		27.00			
	Ch: 30 to 42.6m		1	12.60	0.90		11.34			
	RHS									
	Ch: 0 to 30m		1	30.00	0.90		27.00			
	Ch: 30 to 35m		1	5.00	0.90		4.50			
	Right Side, Cross Road -2									
	LHS									
	Ch: 0 to 30m		1	30.00	0.60		18.00			
	Ch: 30 to 38.2m		1	8.20	0.60		4.92			

Right Side, Cross Road -3										
LHS										
Ch: 0 to 30m		1	30.00	0.75		22.50				
Ch: 30 to 33.4m		1	3.40	0.75		2.55				
RHS										
Ch: 0 to 30m		1	30.00	0.75		22.50				
Ch: 30 to 33.4m		1	3.40	0.75		2.55				
SSM Drain										
Main Road										
LHS										
Ch: 0 to 29.3m		1	29.30	1.20		35.16				
Road Gap										
Ch: 0 to 19.5m		1	19.50	1.20		23.40				
Road Gap										
Ch: 0 to 21.3m		1	21.30	1.20		25.56				
Road Gap										
Ch: 0 to 30m		1	30.00	1.20		36.00				
Ch: 30 to 43m		1	13.00	1.20		15.60				
Road Gap										
Ch: 0 to 23m		1	23.00	1.20		27.60				
Road Gap										
Ch: 0 to 24.3m		1	24.30	1.20		29.16				
Road Gap										
Ch: 0 to 30m		1	30.00	1.20		36.00				
Ch: 30 to 3.3m		1	3.30	1.20		3.96				
RHS, From Dead End										
Ch: 0 to 13.1m		1	13.10	1.20		15.72				
Ch: 13.1 to 16.9m		1	3.80							
Ch: 16.9 to 46.9m		1	30.00	1.20		36.00				
Ch: 46.9 to 76.9m		1	30.00	1.20		36.00				
Ch: 76.9 to 106.9m		1	30.00	1.20		36.00				
Ch: 106.9 to 128.9m		1	22.00	1.20		26.40				
Road Gap										
Ch: 0 to 11.8m		1	11.80							
Ch: 11.8 to 28.3m		1	16.50	1.20		19.80				
Road Gap										
Ch: 0 to 12.4m		1	12.40	1.20		14.88				
Ch: 12.4 to 24.3m		1	11.90	1.20		14.28				
Road Gap										
Ch: 0 to 22.2m		1	22.20							
					Present Qty	**846.83**	**Sqm**	**2337.00**	**1979031.00**	

Contractor

PMC

Assistant Engineer

6/1/2020

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ಯಲಹಂಕ ಉಪವಿಭಾಗ
Asst. Executive Engineer
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

me of Work: **Improvements to roads and drains at Chikkabettahalli colony in Ward No. 03**

of Measurement : 10.1.2020

Detailed Measurements

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)									
Chikkabettahalli									
Culvert Main Road									
Culvert-1		1	4.60	1.20		5.52			
Culvert-2		1	5.00	1.20		6.00			
Culvert-3		1	5.80	1.50		8.70			
Culvert-4		1	6.00	1.50		9.00			
Culvert-5		1	5.10	1.20		6.12			
Culvert-6		1	5.10	1.50		7.65			
Culvert-7		1	0.00	1.50		0.00			
Village Culverts									
Db Layout Entrance		1	7.20	1.50		10.80			
Badriya Provision store Rd		1	6.20	1.50		9.30			
Badriya Provision store Rd		1	4.00	1.50		6.00			
Flour Mill front		1	7.50	1.50		11.25			
					Present Qty	**80.34**	**Sqm**	**5418.00**	**435283.00**

Contractor

NEWZEN CONSULTANT * BANGALORE * PMC

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ Executive Engineer
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

10.1.2020

Name of Work: Improvements to roads and drains at Chikkabettahalli colony in Ward No. 03

Date of Measurement : 28.1.2019

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
12	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine and curing including cost of all materials, labour hire									
	Chikkabettahalli									
	Surround Temple									
	Backside		1	8.90	2.10	0.15	2.80			
			1	5.00	5.00	0.15	3.75			
			1	1.75	2.85	0.15	0.75			
	Left Side		1	12.40	6.55	0.15	12.18			
	Right side		1	15.00	2.50	0.15	5.63			
	Front		1	15.20	8.10	0.15	18.47			
			1	5.00	3.00	0.15	2.25			
			1	4.60	2.20	0.15	1.52			
			1	15.00	12.00	0.15	27.00			
						Present Qty	**74.35**	**Cum**	**5210.96**	**387413.00**

Contractor

PMC NEWZEN CONSULTANT BANGALORE

Assistant Engineer

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ಯಲಹಂಕ ಉಪವಿಭಾಗ ಬೆಂಗಳೂರು.
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Asst. Executive Engineer

28.1.2019

Name of Work: Improvements to roads and drains at Chikkabettahalli colony in Ward No. 03

Date of Measurement : 28.1.2019

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
13	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift.									
	Chikkabettahalli									
	Surround Temple									
	Backside		1	8.90	2.10		18.69			
			1	5.00	5.00		25.00			
			1	1.75	2.85		4.99			
	Left Side		1	12.40	6.55		81.22			
	Right side		1	15.00	2.50		37.50			
	Front		1	15.20	8.10		123.12			
			1	5.00	3.00		15.00			
			1	4.60	2.20		10.12			
			1	15.00	12.00		180.00			
						Present Qty	**495.64**	**Sqm**	**72.08**	**35726.00**

Total	**8354214.00**
12% GST	**1002506.00**
4% KRIDL	**334169.00**
Grand Total	**9690889.00**

C&FC

Contractor

PMC NEWZEN CONSULTANT * BANGALORE *

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
Asst. Executive Engineer
ಯಲಹಂಕ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

28.1.2019